

--38. A method of identifying a candidate substance that inhibits mammalian aggregate-prone amyloid proteins from forming a fibril, comprising:

- (a) contacting a yeast cell that expresses an aggregate-prone amyloid protein comprising a mammalian aggregate-prone amyloid peptide with the candidate substance under conditions effective to allow fibril formation; and
- (b) determining the ability of said candidate substance to inhibit the aggregate-prone amyloid protein from forming a fibril.

39. The method of claim 38, wherein the aggregate-prone amyloid protein comprises a PrP or  $\beta$ -amyloid polypeptide.

40. The method of claim 38, wherein the aggregate-prone amyloid protein is a chimeric protein.--

### **REMARKS**

#### **A. Status of Claims**

This application was filed on December 8, 1998 with claims 1-36. It claims priority to U.S. Application Serial Number 60/069,168, filed on December 9, 1997, now abandoned, and U.S. Application Serial Number 60/084,824, filed on May 9, 1998, now abandoned. In response to a restriction requirement, Applicant elected claims 1-22. In a response to the Office Action dated August 4, 1999, claims 2, 5, 6, and 21 were cancelled, and claim 37 was added. In the Final Office Action dated February 1, 2000, claims 1, 3, 4, 7-20, and 37 were rejected. Claims 1 and 4 are amended, claims 38-40 are added, and nonelected claims 22-36 are cancelled herein.